

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028703.D
 Acq On : 14 May 2022 01:48
 Operator : JC/MD
 Sample : PB144781ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781ZHE#04

Quant Time: May 16 02:31:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

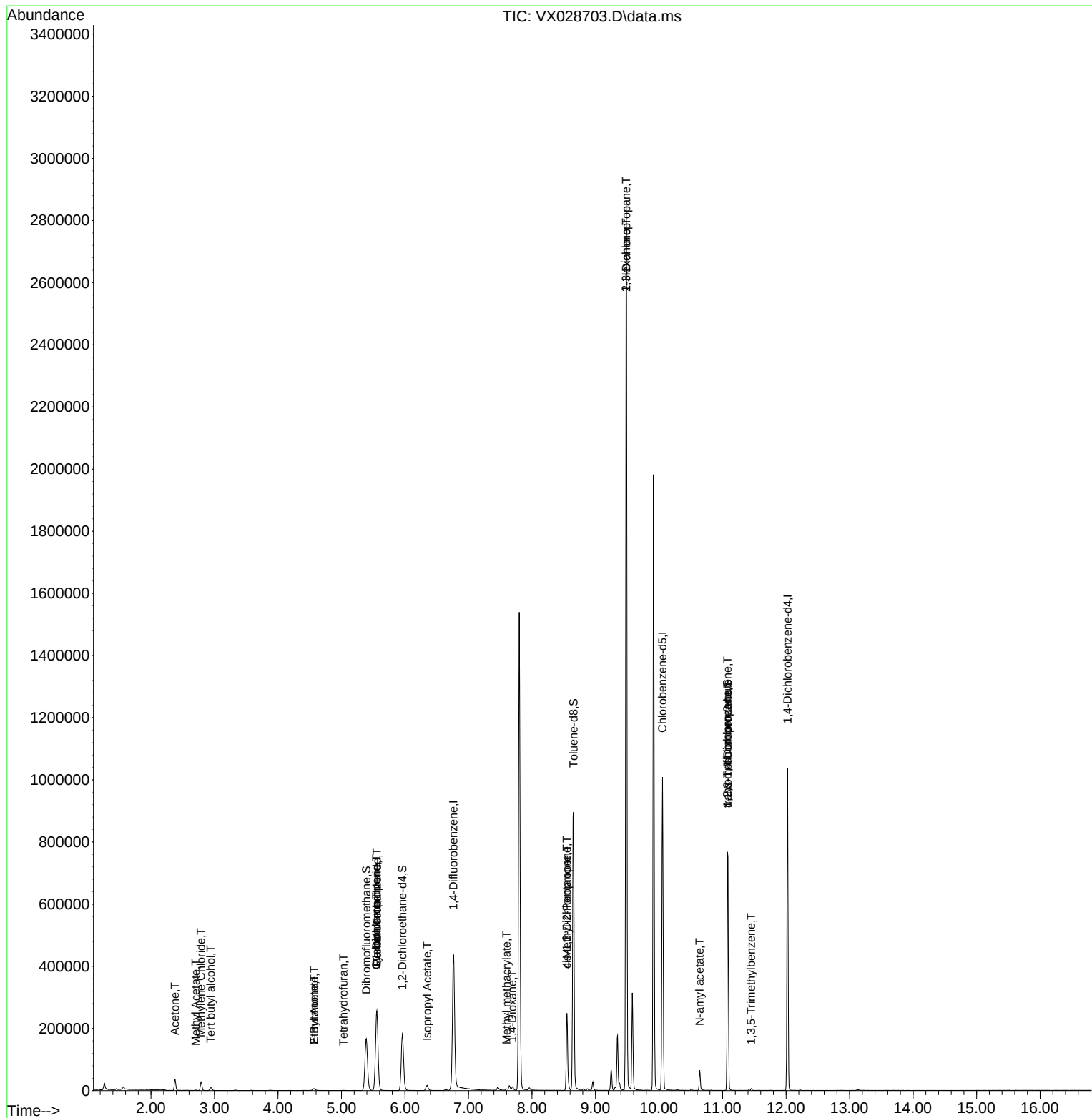
Internal Standards						
1) Pentafluorobenzene	5.556	168	230850	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	435760	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	434092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	198402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	170450	53.865	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.720%			
35) Dibromofluoromethane	5.391	113	142449	49.894	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.780%			
50) Toluene-d8	8.653	98	542616	50.410	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.820%			
62) 4-Bromofluorobenzene	11.079	95	203103	50.518	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.040%			
Target Compounds						
						Qvalue
5) Bromomethane	1.618	94	761	Below Cal		91
6) Chloroethane	1.679	64	202	Below Cal	#	43
11) Tert butyl alcohol	2.941	59	5722	0.560	ug/l	# 72
16) Acetone	2.380	43	38560	28.393	ug/l	97
18) Methyl Acetate	2.703	43	2234	0.657	ug/l	# 77
20) Methylene Chloride	2.788	84	12490	4.384	ug/l	93
25) 2-Butanone	4.568	43	8364	3.924	ug/l	91
29) Tetrahydrofuran	5.032	42	367	0.265	ug/l	# 51
31) Cyclohexane	5.550	56	5478	1.247	ug/l	# 20
36) 1,1-Dichloropropene	5.550	75	19648	4.582	ug/l	# 49
37) Ethyl Acetate	4.568	43	8364	1.867	ug/l	# 65
38) Carbon Tetrachloride	5.556	117	25585	5.929	ug/l	# 15
43) Isopropyl Acetate	6.348	43	21889	3.124	ug/l	94
48) Methyl methacrylate	7.598	41	5868	1.734	ug/l	# 7
49) 1,4-Dioxane	7.690	88	19	0.225	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	83567	18.106	ug/l	# 45
54) cis-1,3-Dichloropropene	8.549	75	39651	8.266	ug/l	# 72
57) 1,3-Dichloropropane	9.482	76	25673	4.708	ug/l	# 43
59) 2-Hexanone	9.482	43	331705	92.502	ug/l	# 44
74) N-amyl acetate	10.640	43	15396	2.603	ug/l	# 45
76) 1,2,3-Trichloropropane	11.079	75	107467	23.129	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.451	105	2565	0.205	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.079	75	107467	67.529	ug/l	# 15

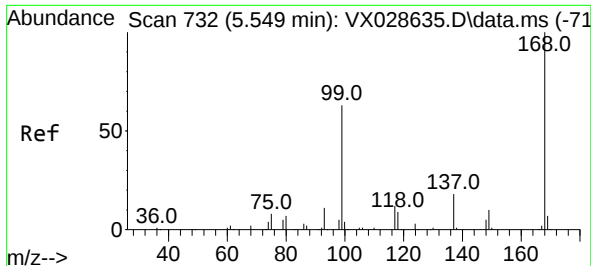
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: May 16 02:31:06 2022
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Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

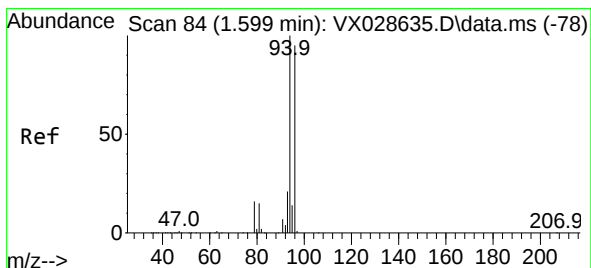
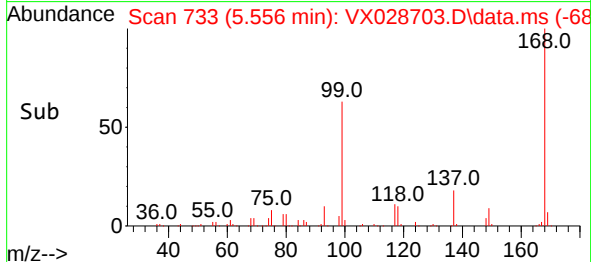
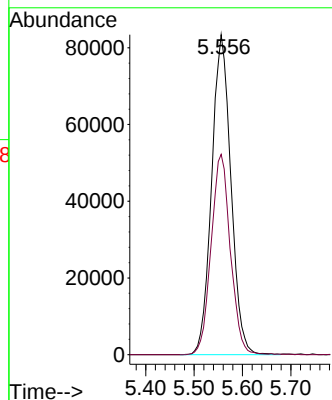
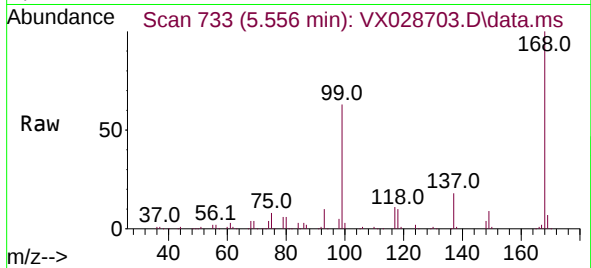




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

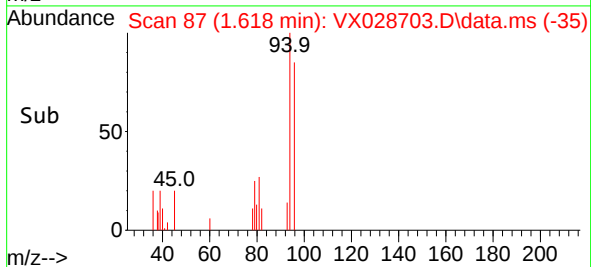
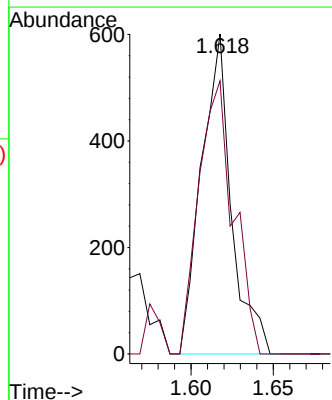
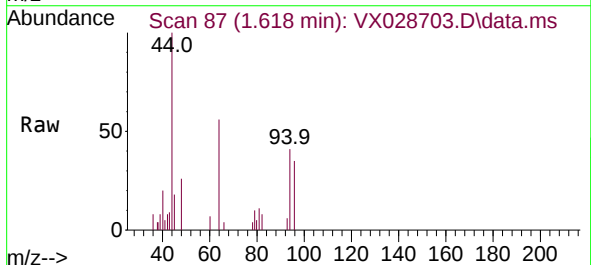
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#04

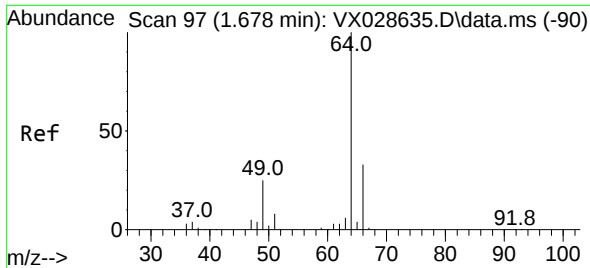
Tgt Ion:168 Resp: 230850
Ion Ratio Lower Upper
168 100
99 62.6 41.7 62.5#



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

Tgt Ion: 94 Resp: 761
Ion Ratio Lower Upper
94 100
96 85.4 75.3 112.9

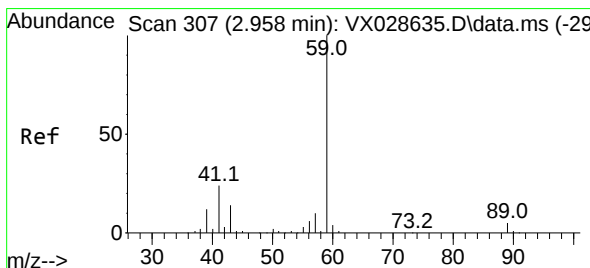
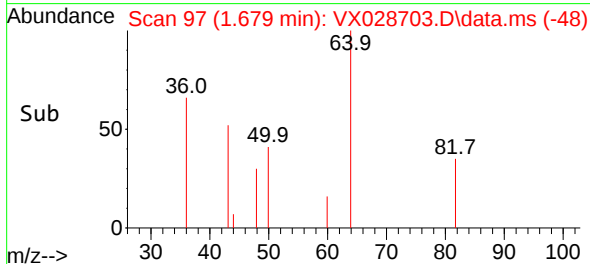
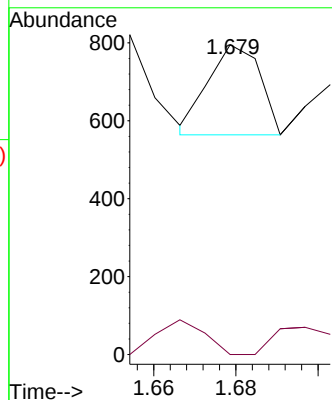
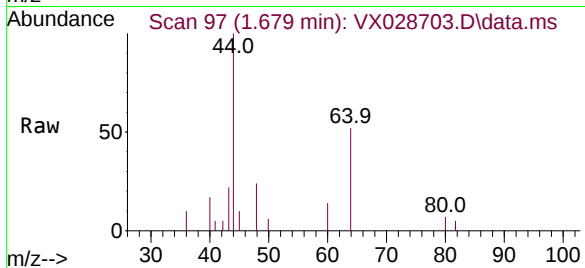




#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 91
Delta R.T. 0.001 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

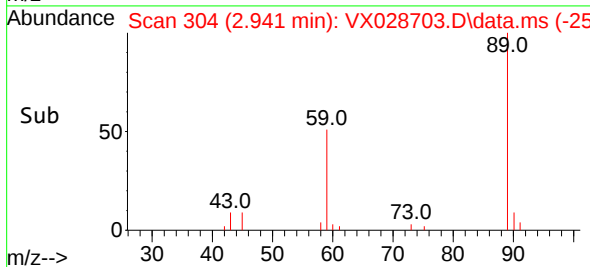
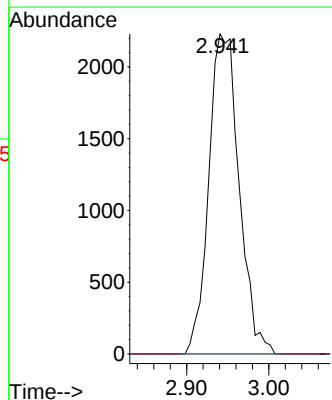
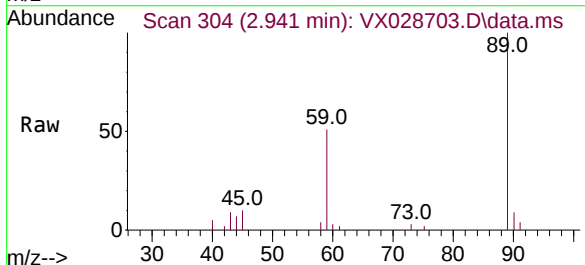
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#04

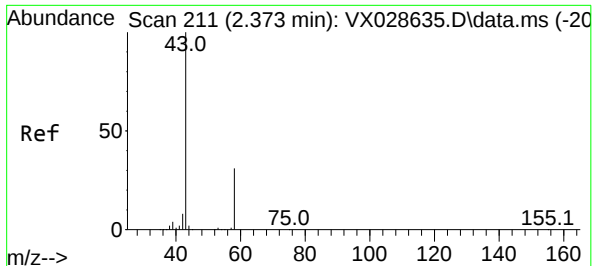
Tgt Ion: 64 Resp: 202
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: 0.560 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.017 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

Tgt Ion: 59 Resp: 5722
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

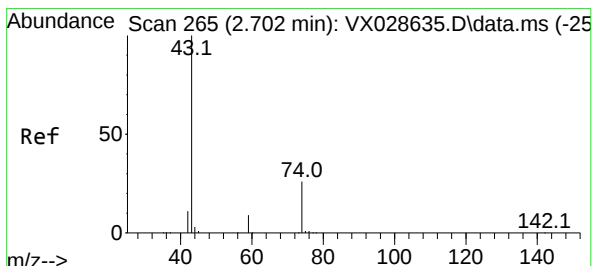
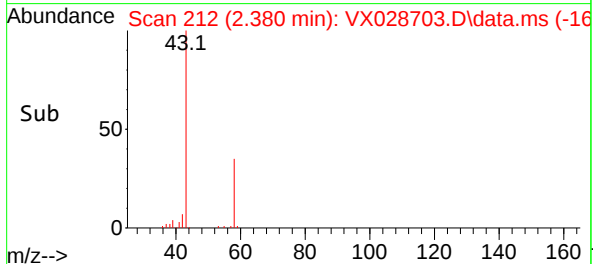
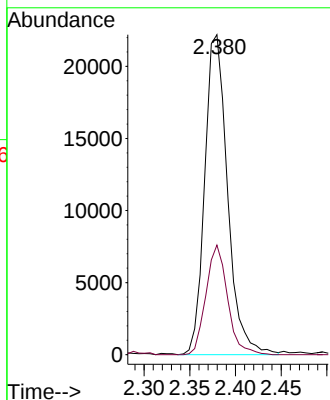
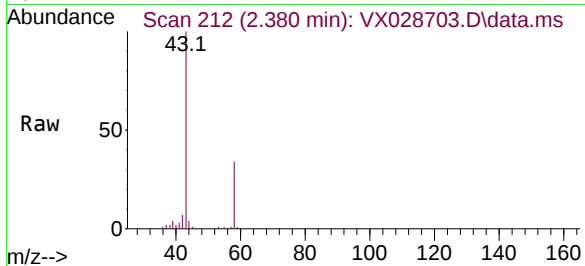




#16
Acetone
Concen: 28.393 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

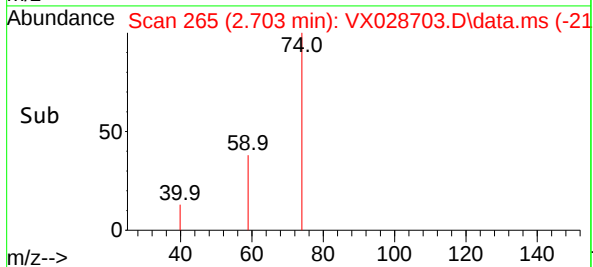
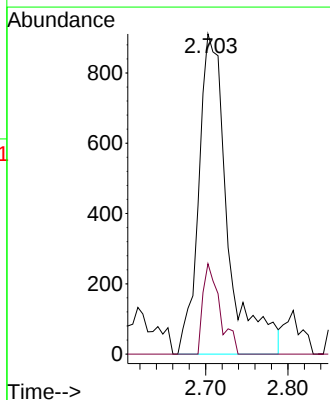
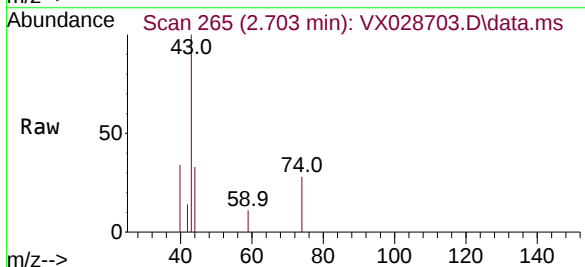
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#04

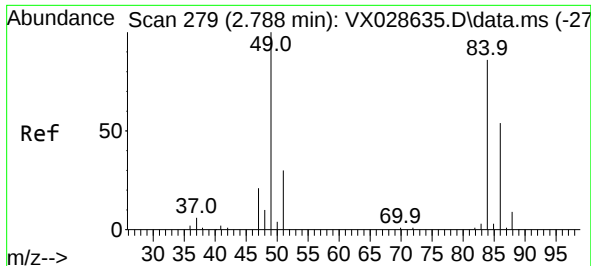
Tgt Ion: 43 Resp: 38560
Ion Ratio Lower Upper
43 100
58 34.3 28.8 43.2



#18
Methyl Acetate
Concen: 0.657 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.001 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

Tgt Ion: 43 Resp: 2234
Ion Ratio Lower Upper
43 100
74 16.5 22.8 34.2#





#20

Methylene Chloride

Concen: 4.384 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX028703.D

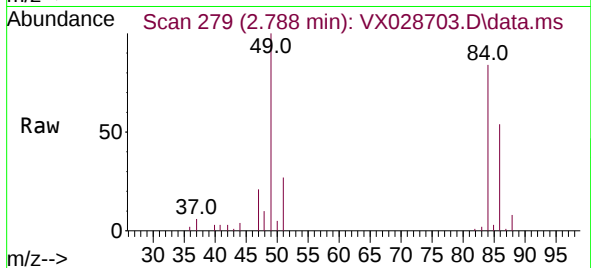
Acq: 14 May 2022 01:48

Instrument :

MSVOA_X

ClientSampleId :

PB144781ZHE#04



Tgt Ion: 84 Resp: 12490

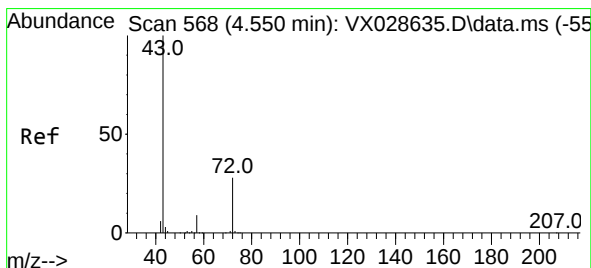
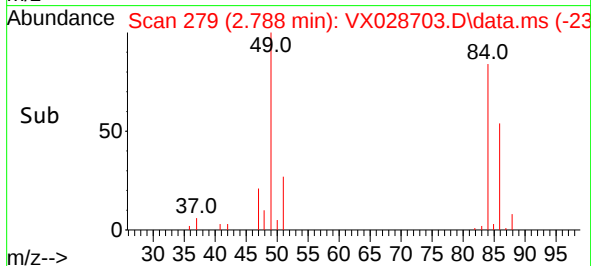
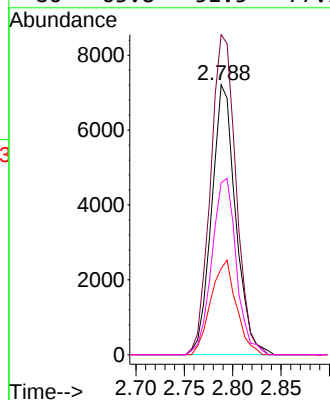
Ion Ratio Lower Upper

84 100

49 118.6 85.5 128.3

51 31.9 26.6 39.8

86 63.8 51.5 77.3



#25

2-Butanone

Concen: 3.924 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.018 min

Lab File: VX028703.D

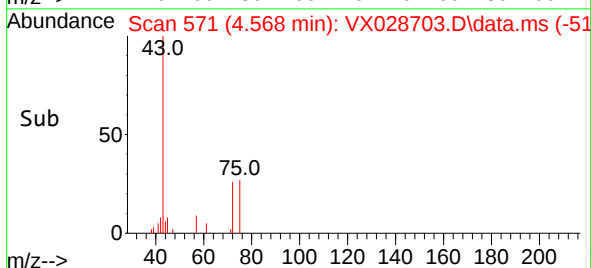
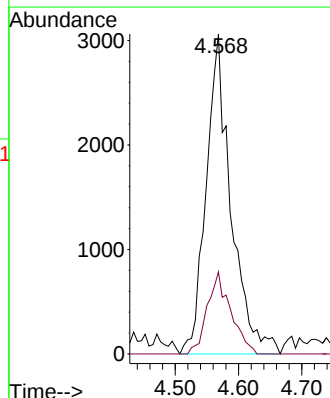
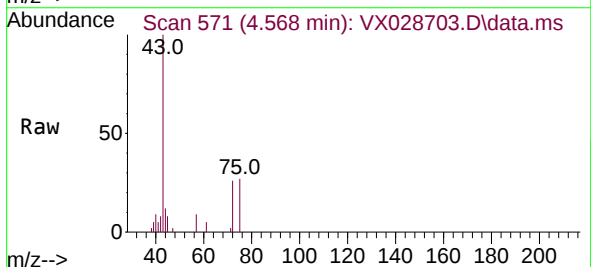
Acq: 14 May 2022 01:48

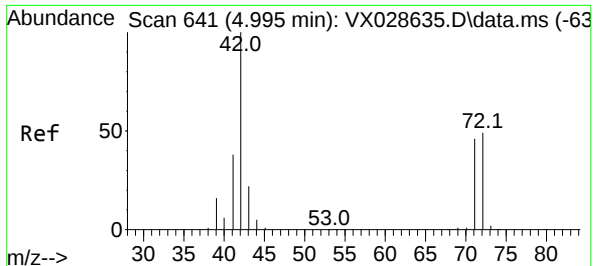
Tgt Ion: 43 Resp: 8364

Ion Ratio Lower Upper

43 100

72 25.7 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.265 ug/l

RT: 5.032 min Scan# 641

Delta R.T. 0.037 min

Lab File: VX028703.D

Acq: 14 May 2022 01:48

Instrument :

MSVOA_X

ClientSampleId :

PB144781ZHE#04

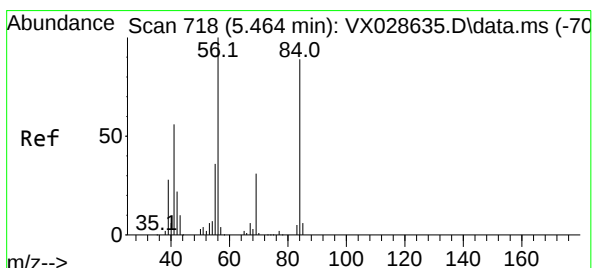
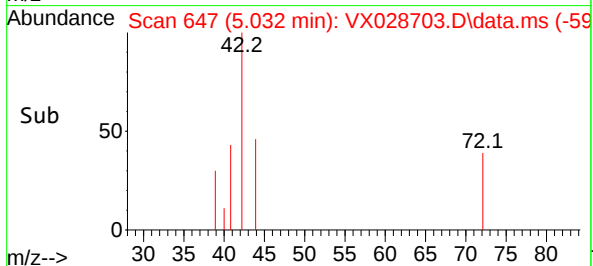
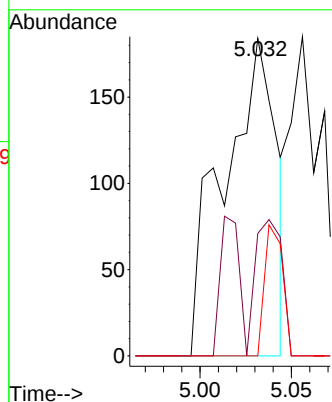
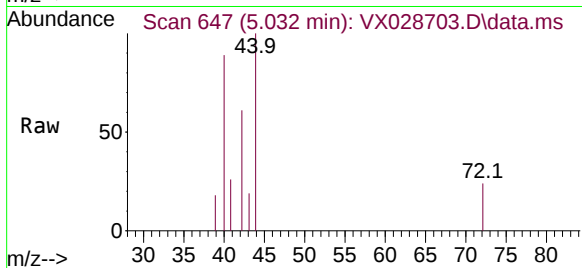
Tgt Ion: 42 Resp: 367

Ion Ratio Lower Upper

42 100

72 21.8 44.1 66.1#

71 14.2 40.5 60.7#



#31

Cyclohexane

Concen: 1.247 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.086 min

Lab File: VX028703.D

Acq: 14 May 2022 01:48

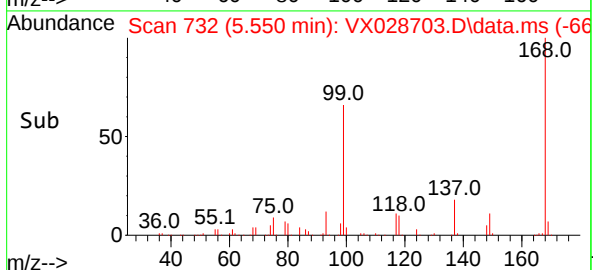
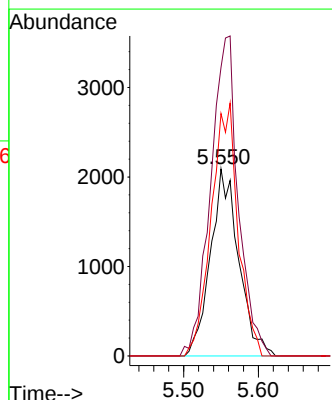
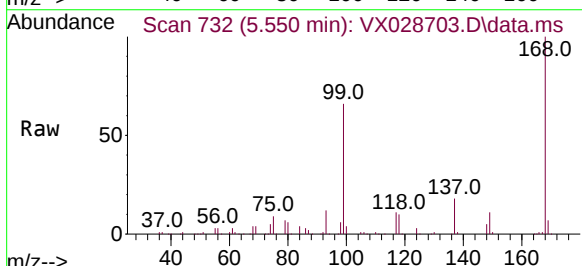
Tgt Ion: 56 Resp: 5478

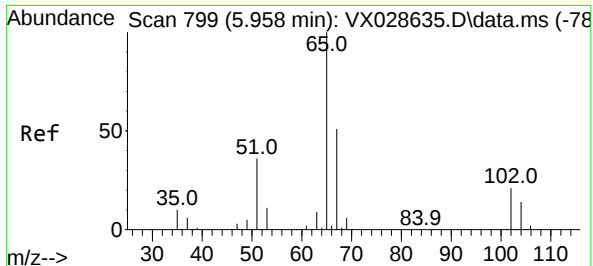
Ion Ratio Lower Upper

56 100

69 154.2 26.7 40.1#

84 129.6 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 53.865 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028703.D

Acq: 14 May 2022 01:48

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MSVOA_X

ClientSampleId :

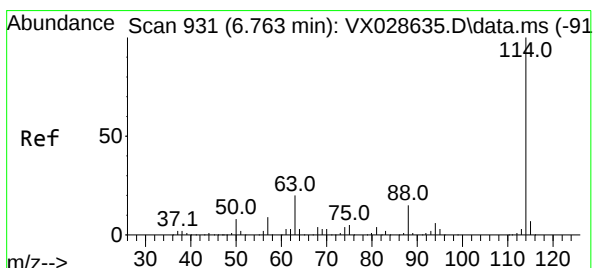
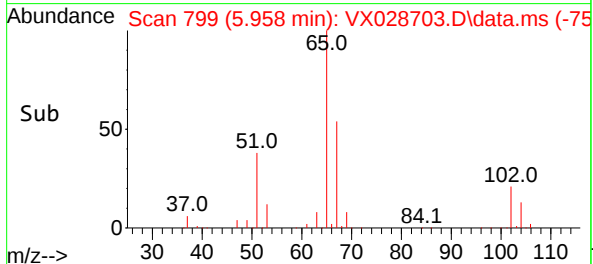
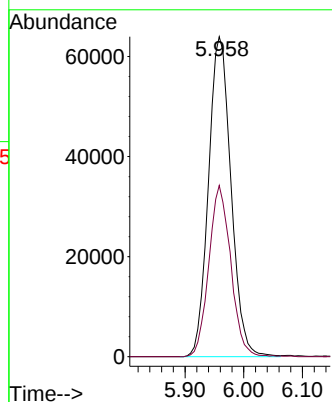
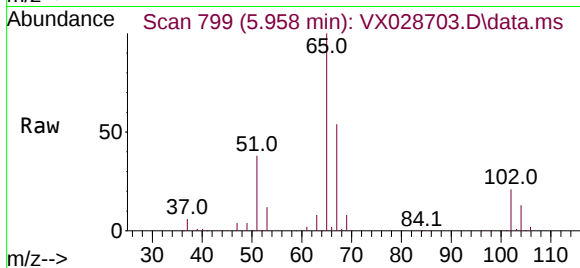
PB144781ZHE#04

Tgt Ion: 65 Resp: 170450

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028703.D

Acq: 14 May 2022 01:48

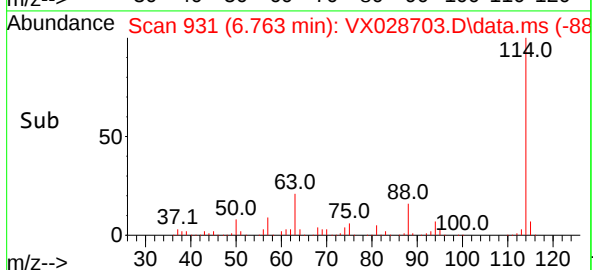
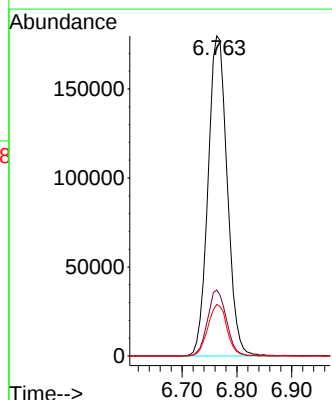
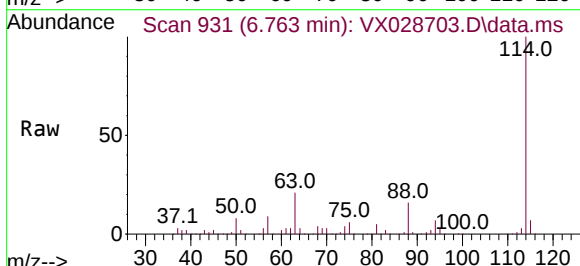
Tgt Ion: 114 Resp: 435760

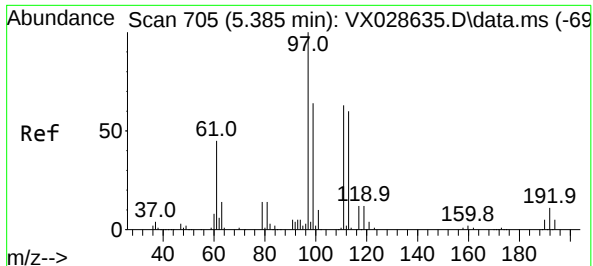
Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.8

88 16.1 0.0 32.4

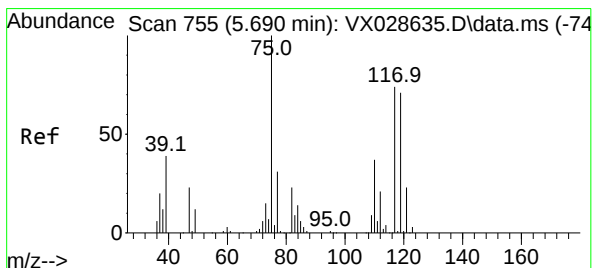
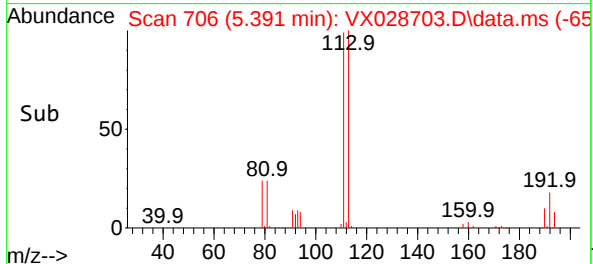
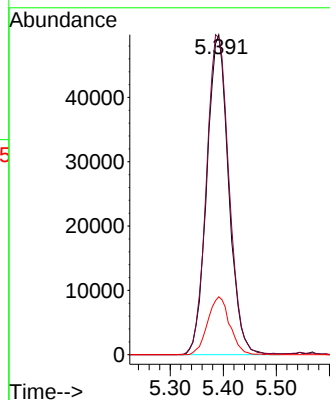
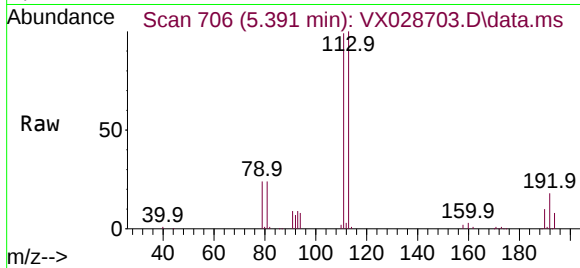




#35
Dibromofluoromethane
Concen: 49.894 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

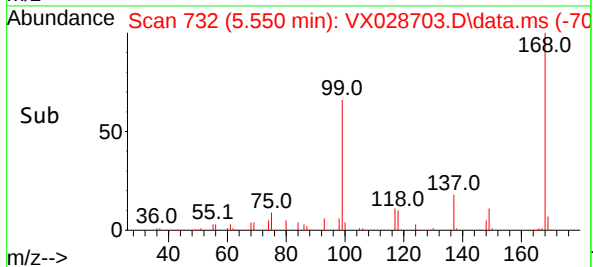
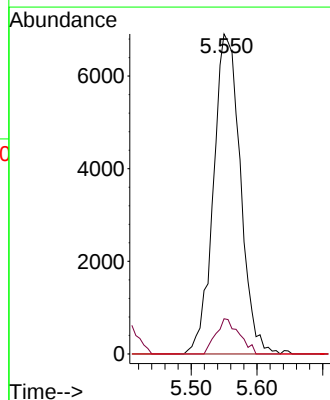
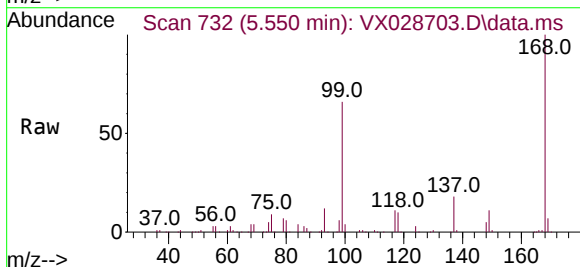
Instrument :
MSVOA_X
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PB144781ZHE#04

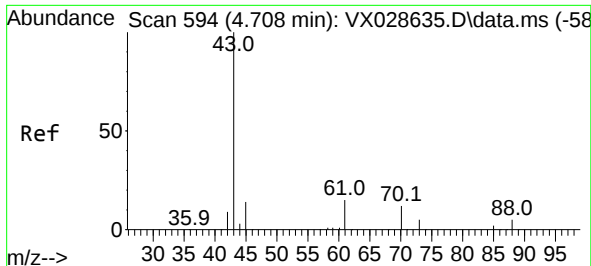
Tgt Ion:113 Resp: 142449
Ion Ratio Lower Upper
113 100
111 103.6 82.8 124.2
192 18.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.582 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

Tgt Ion: 75 Resp: 19648
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.867 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.140 min

Lab File: VX028703.D

Acq: 14 May 2022 01:48

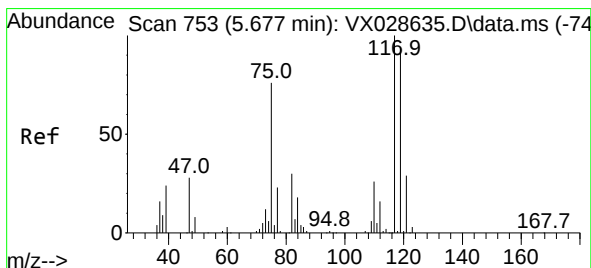
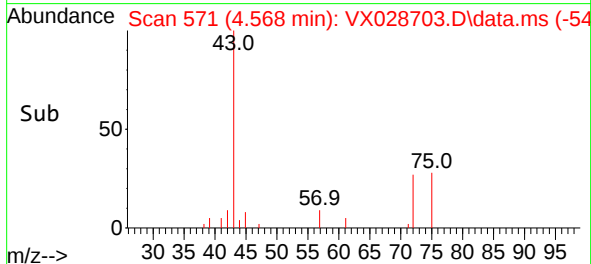
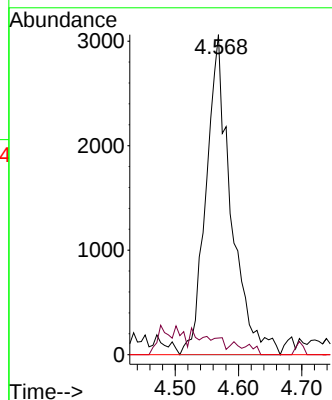
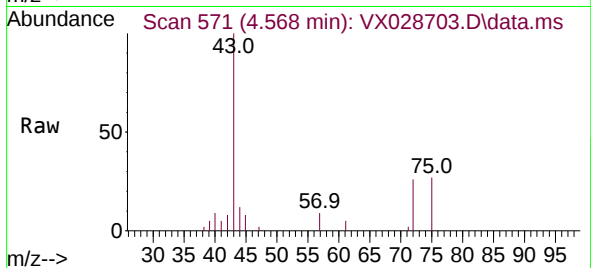
Instrument :

MSVOA_X

ClientSampleId :

PB144781ZHE#04

Tgt Ion: 43	Resp: 8364
Ion Ratio	Lower Upper
43 100	
61 0.0	12.6 19.0#
70 0.0	10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.929 ug/l

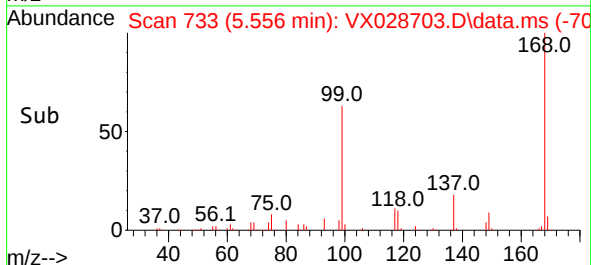
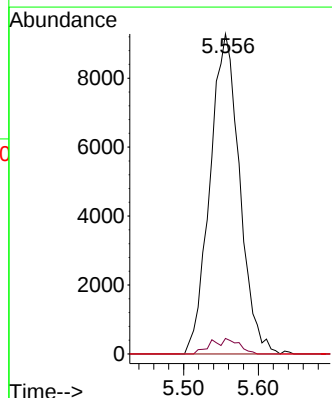
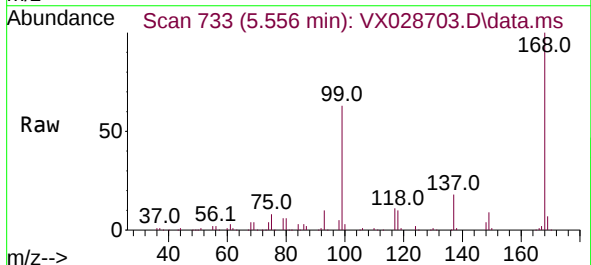
RT: 5.556 min Scan# 733

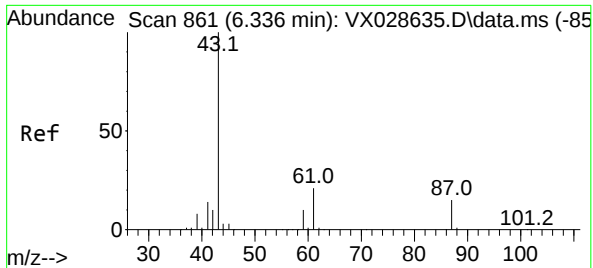
Delta R.T. -0.121 min

Lab File: VX028703.D

Acq: 14 May 2022 01:48

Tgt Ion: 117	Resp: 25585
Ion Ratio	Lower Upper
117 100	
119 4.8	77.3 115.9#
121 0.0	24.2 36.2#

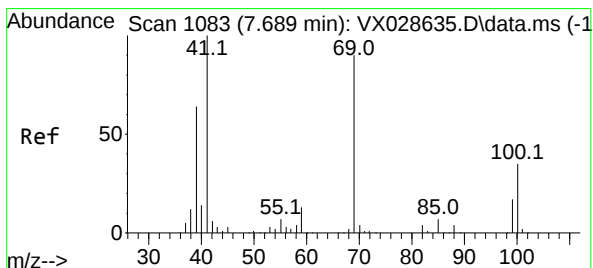
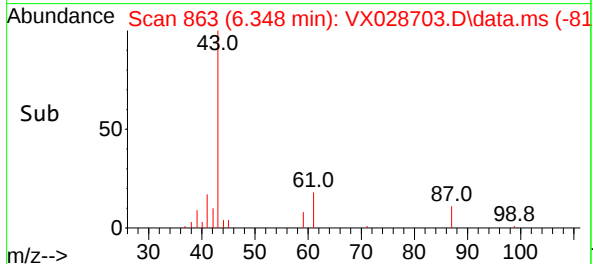
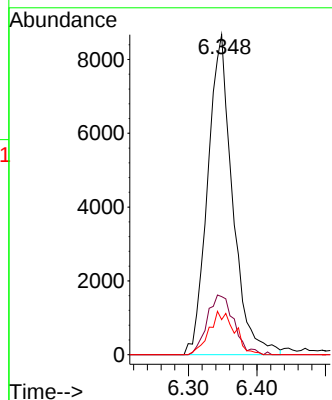
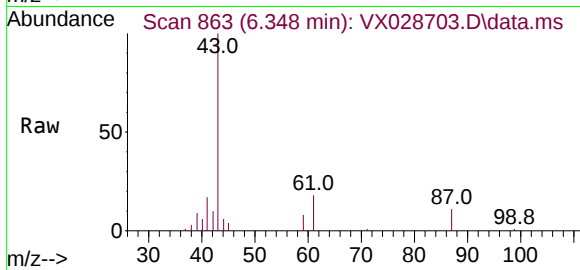




#43
Isopropyl Acetate
Concen: 3.124 ug/l
RT: 6.348 min Scan# 861
Delta R.T. 0.012 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

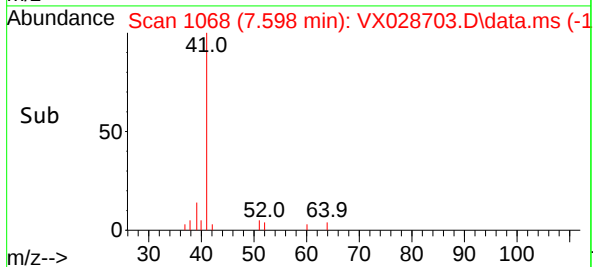
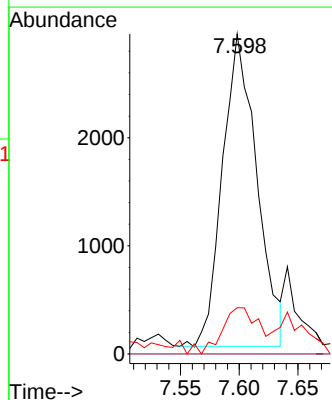
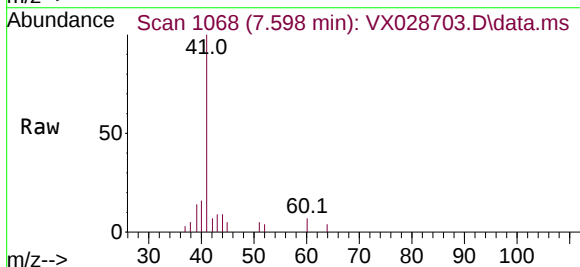
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#04

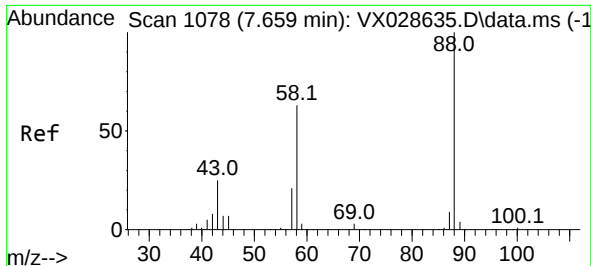
Tgt Ion: 43 Resp: 21889
Ion Ratio Lower Upper
43 100
61 20.0 18.5 27.7
87 13.9 13.0 19.6



#48
Methyl methacrylate
Concen: 1.734 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.091 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

Tgt Ion: 41 Resp: 5868
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 0.225 ug/l

RT: 7.690 min Scan# 1078

Delta R.T. 0.031 min

Lab File: VX028703.D

Acq: 14 May 2022 01:48

Instrument :

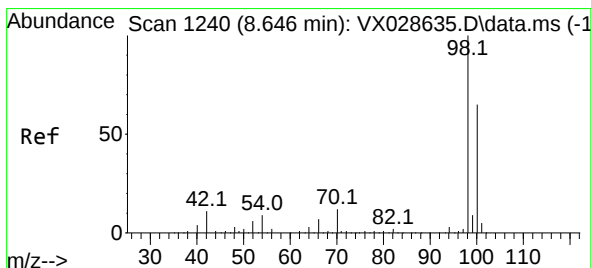
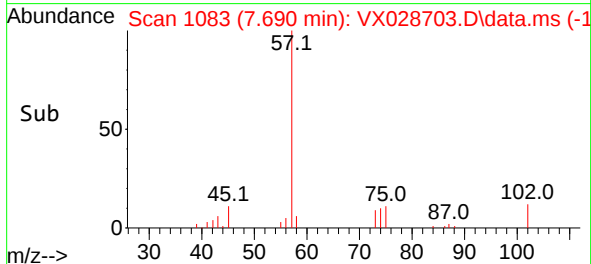
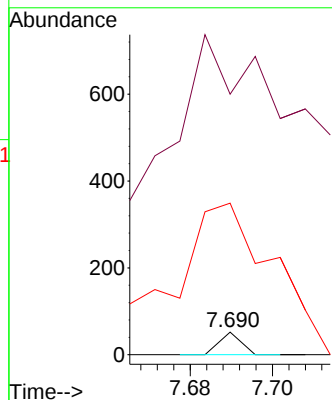
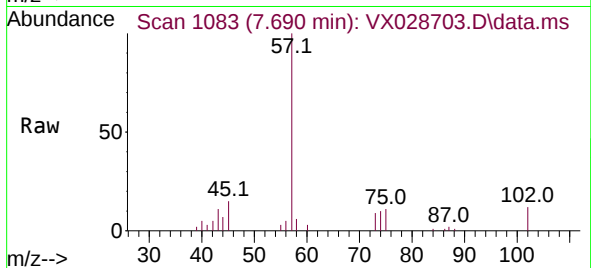
MSVOA_X

ClientSampleId :

PB144781ZHE#04

Tgt Ion: 88 Resp: 19

Ion	Ratio	Lower	Upper
88	100		
43	0.0	21.9	32.9#
58	2878.9	53.7	80.5#



#50

Toluene-d8

Concen: 50.410 ug/l

RT: 8.653 min Scan# 1241

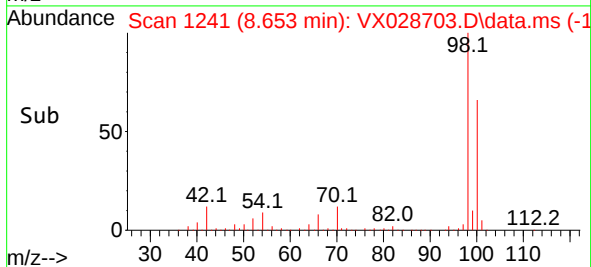
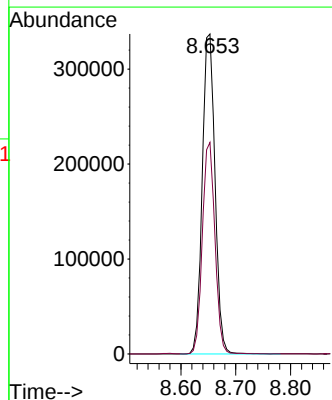
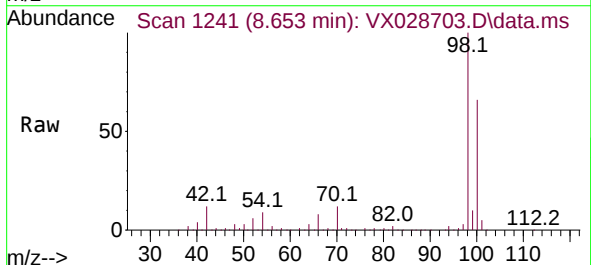
Delta R.T. 0.007 min

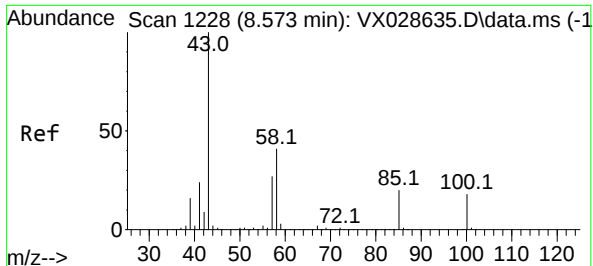
Lab File: VX028703.D

Acq: 14 May 2022 01:48

Tgt Ion: 98 Resp: 542616

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.6	78.8

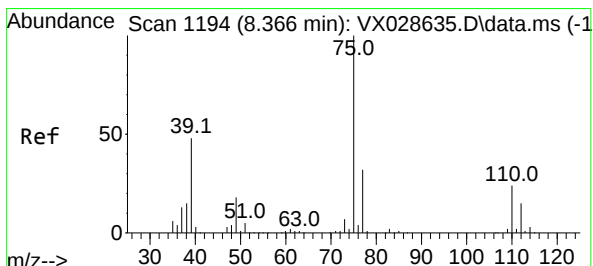
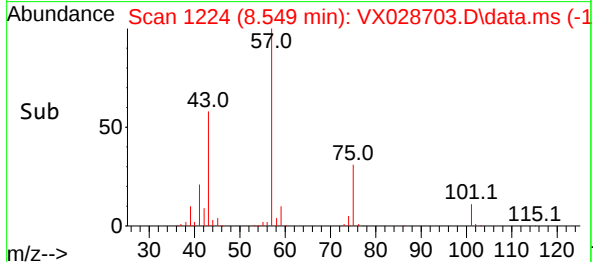
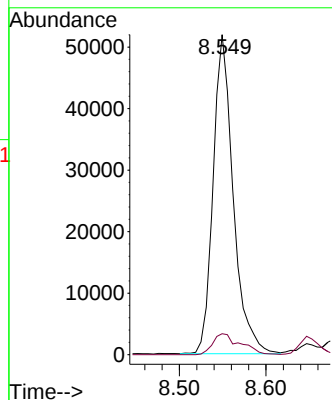
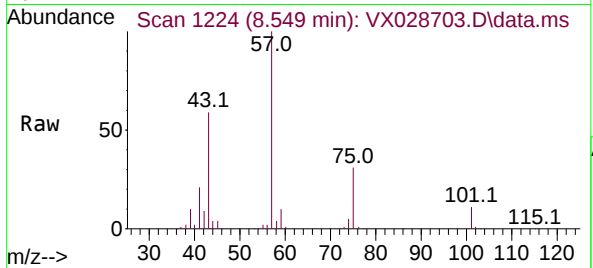




#51
4-Methyl-2-Pentanone
Concen: 18.106 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

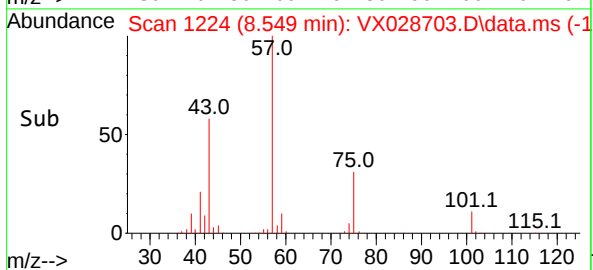
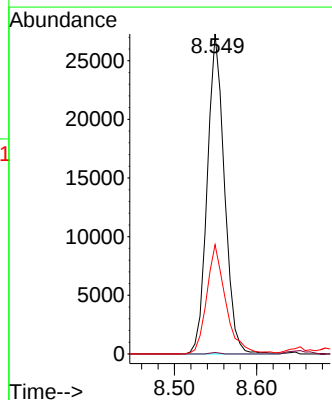
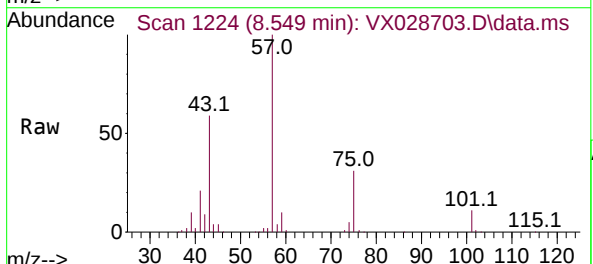
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#04

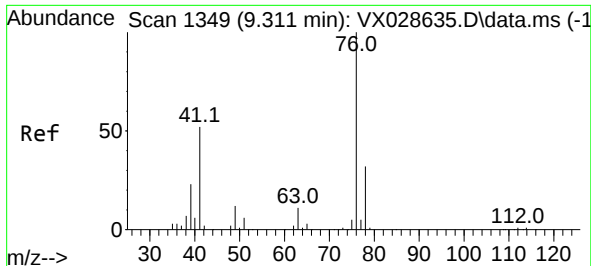
Tgt Ion: 43 Resp: 83567
Ion Ratio Lower Upper
43 100
58 9.1 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 8.266 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

Tgt Ion: 75 Resp: 39651
Ion Ratio Lower Upper
75 100
77 0.5 24.8 37.2#
39 34.2 29.6 44.4





#57

1,3-Dichloropropane

Concen: 4.708 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028703.D

Acq: 14 May 2022 01:48

Instrument :

MSVOA_X

ClientSampleId :

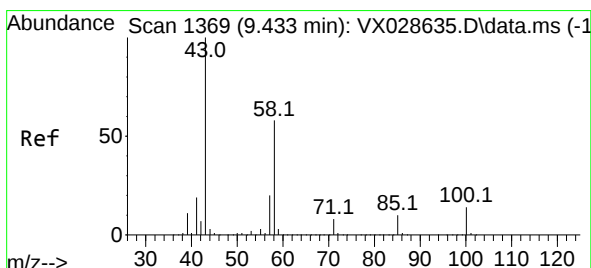
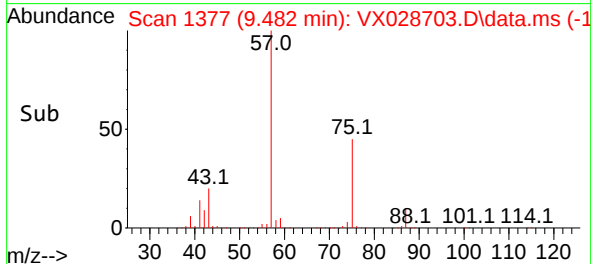
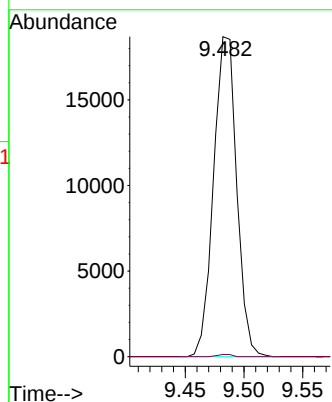
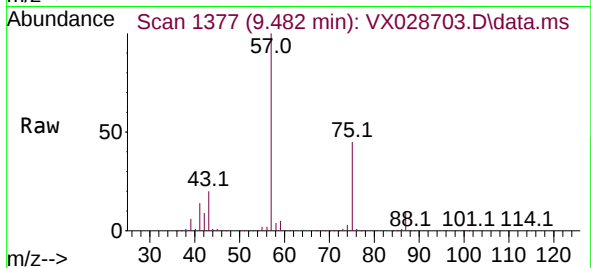
PB144781ZHE#04

Tgt Ion: 76 Resp: 25673

Ion Ratio Lower Upper

76 100

78 0.4 25.8 38.8#



#59

2-Hexanone

Concen: 92.502 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028703.D

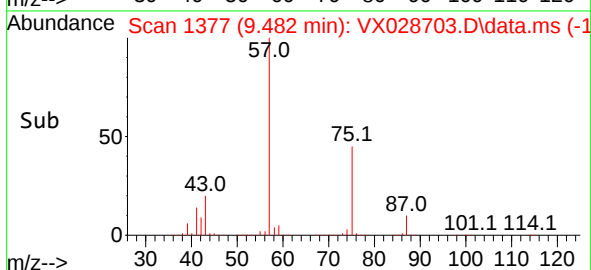
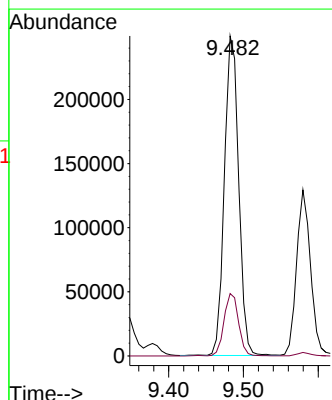
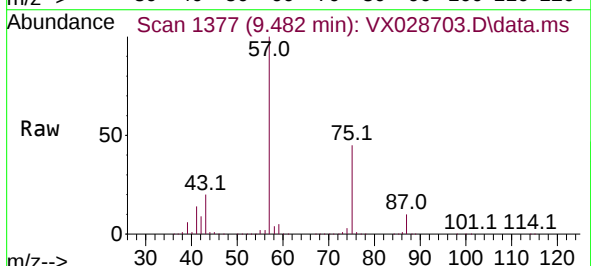
Acq: 14 May 2022 01:48

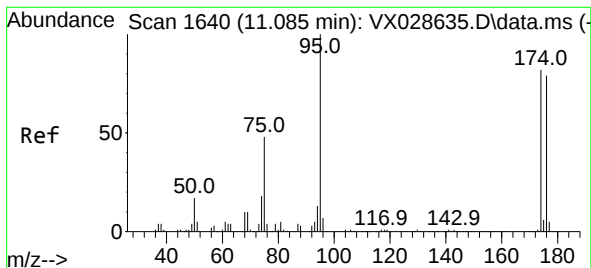
Tgt Ion: 43 Resp: 331705

Ion Ratio Lower Upper

43 100

58 19.8 31.9 95.7#

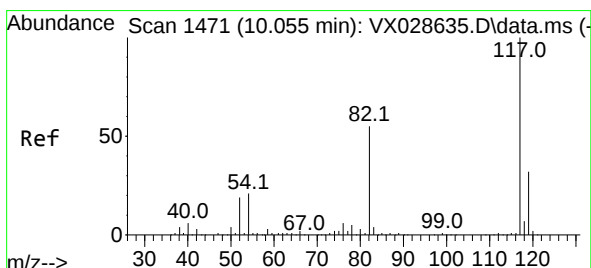
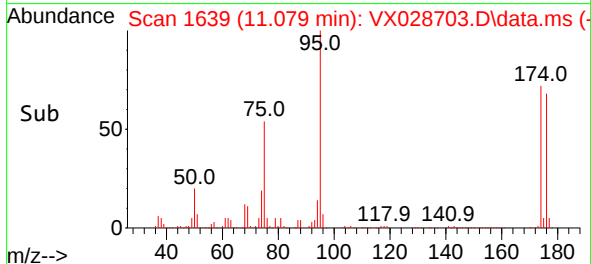
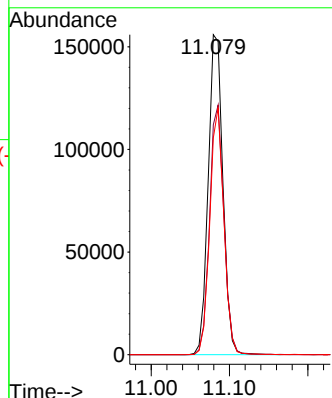
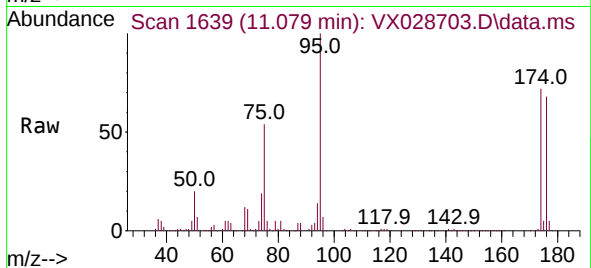




#62
4-Bromofluorobenzene
Concen: 50.518 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

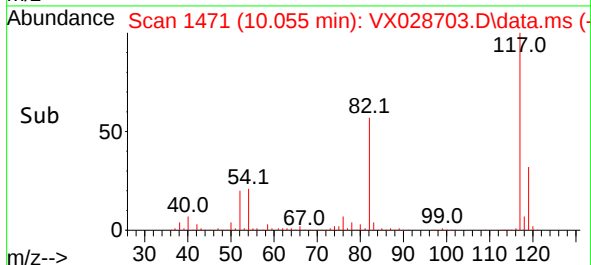
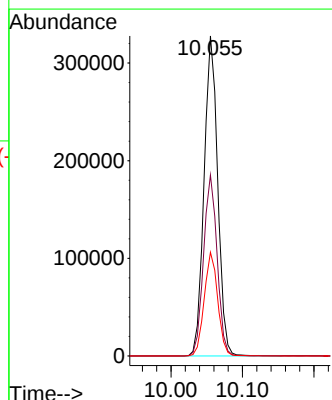
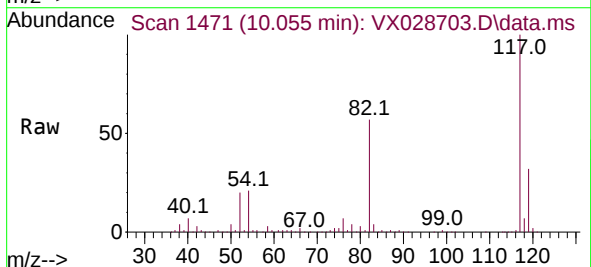
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#04

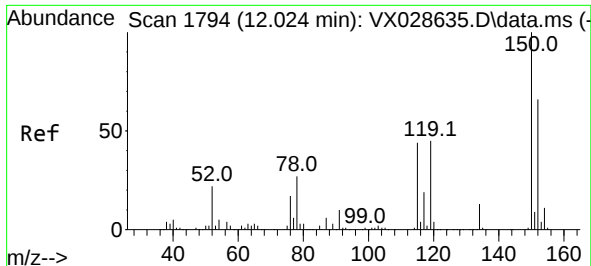
Tgt Ion: 95 Resp: 203103
Ion Ratio Lower Upper
95 100
174 76.1 0.0 163.0
176 73.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

Tgt Ion: 117 Resp: 434092
Ion Ratio Lower Upper
117 100
82 56.5 41.8 62.8
119 32.4 24.8 37.2

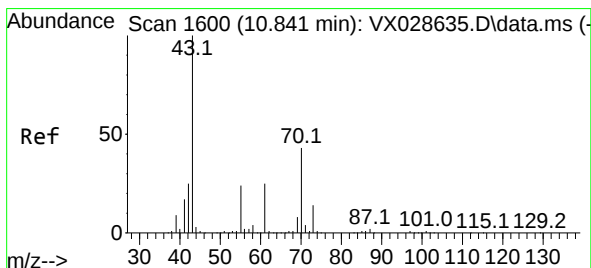
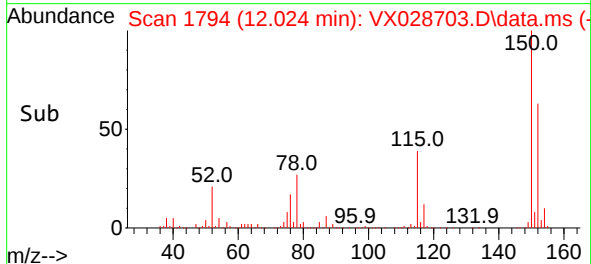
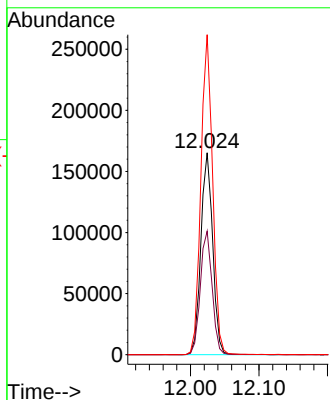
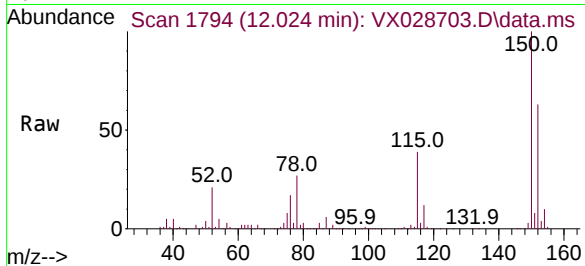




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

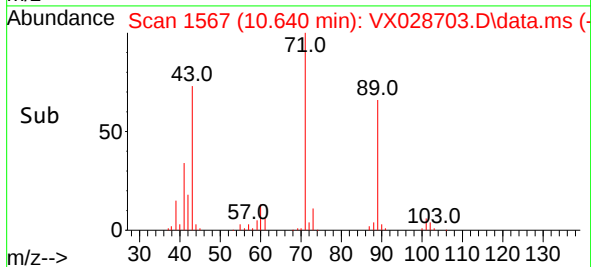
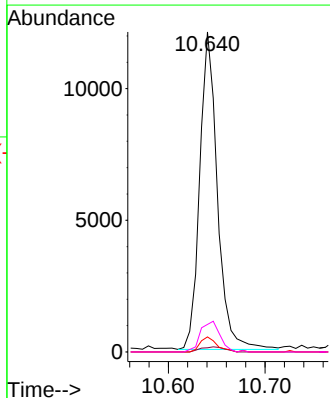
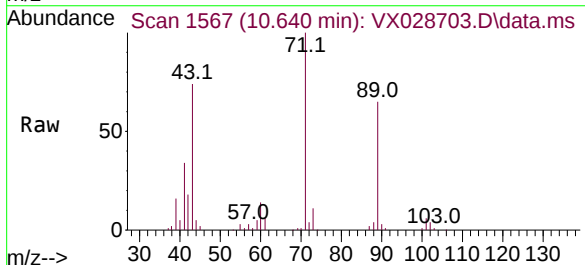
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#04

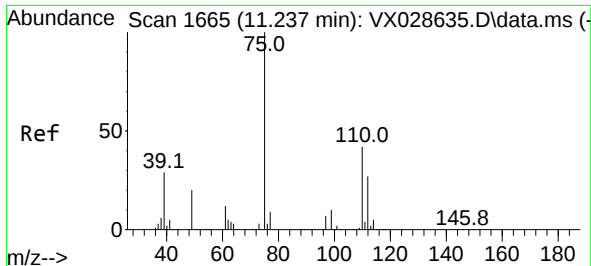
Tgt Ion:152 Resp: 198402
Ion Ratio Lower Upper
152 100
115 61.2 37.5 112.7
150 157.3 0.0 338.2



#74
N-ethyl acetate
Concen: 2.603 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

Tgt Ion: 43 Resp: 15396
Ion Ratio Lower Upper
43 100
70 2.2 42.5 63.7#
55 4.6 23.1 34.7#
61 10.7 22.8 34.2#

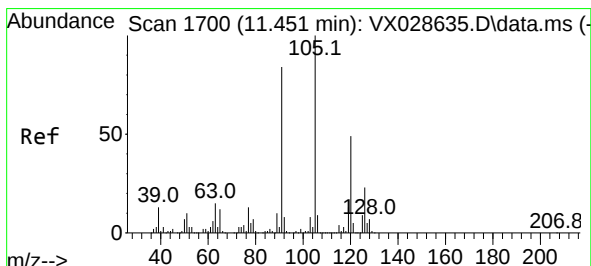
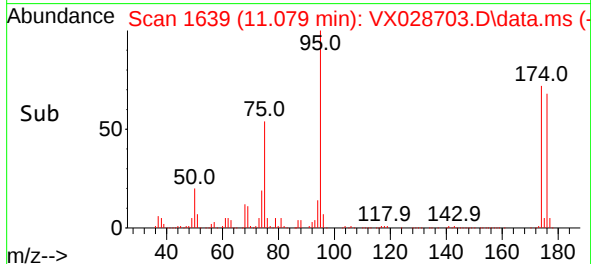
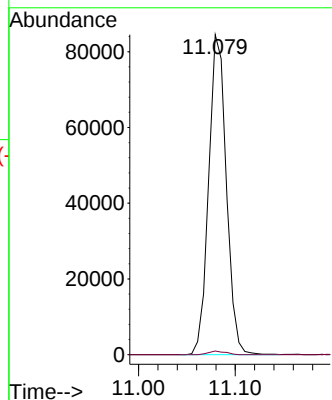
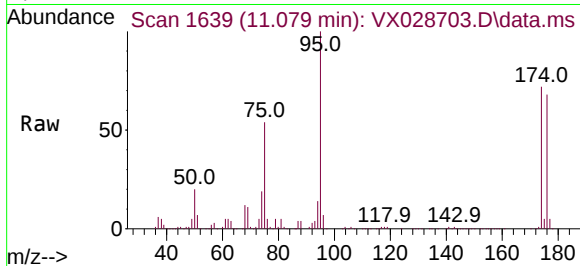




#76
1,2,3-Trichloropropane
Concen: 23.129 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

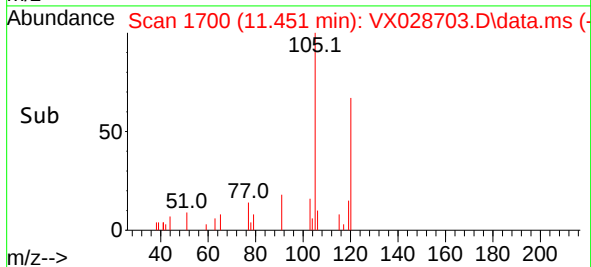
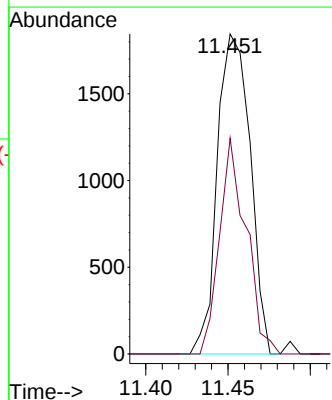
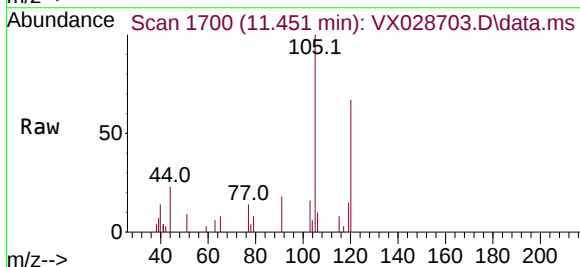
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#04

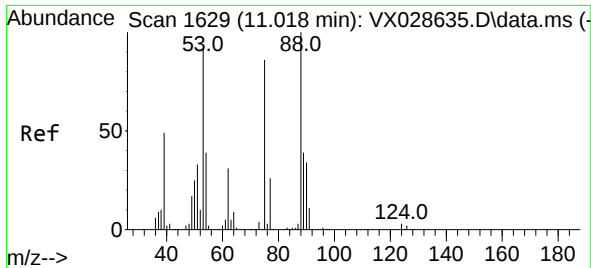
Tgt Ion: 75 Resp: 107467
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.205 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028703.D
Acq: 14 May 2022 01:48

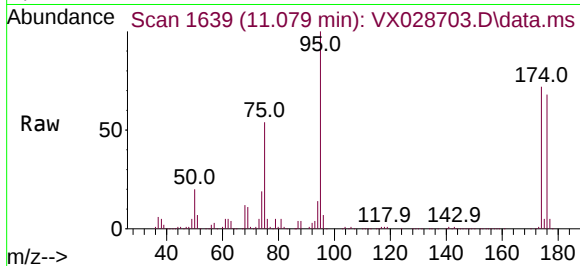
Tgt Ion: 105 Resp: 2565
Ion Ratio Lower Upper
105 100
120 54.7 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.529 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028703.D
 Acq: 14 May 2022 01:48

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781ZHE#04



Tgt Ion: 75 Resp: 107467
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

